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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/998,173	12/03/2001	Balas Natarajan Kausik	053560-0006	6176

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EXAMINER

DONAGHUE, LARRY D

ART UNIT PAPER NUMBER

2154

DATE MAILED: 03/13/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/998,173

Applicant(s)

KAUSIK ET AL.

Examiner

Larry D. Donaghue

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10/11/2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-48 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 15,26,27,30,31,34,37,41,42 and 45-48 is/are allowed.
- 6) ☒ Claim(s) 1-14,16-25,28,29,32,33,35,36,38-40,43 and 44 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08/29/2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

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1. Claims 1-48 are presented for examination.
2. The drawings were received on 08/29/2005. These drawings are accepted .
3. Claims 15,26,27,30,31,34,37,41,42, and 45-48 are allowed.
4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-8, 12-13, 18-21, and 22-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over by CacheOS Server Edition 1.0 Management and Configuration Guide, (CacheFlow) in view of Malcolm et al. (6,128,701).

CacheFlow taught the invention as claimed, including method for operating a proxy disposed between a user and a document accessible to said user over a computer network, comprising: obtaining an electronic document: identifiable by a network address of said document; including one or more references to one or more embedded objects; each said one or more embedded objects being identifiable by a preexisting network address therefor (page 47, section titled Akamaization) , for at least one of said one or more embedded objects, facilitating storage and re-use thereof from a cache accessible to said user, without requiring user validation of said one or more embedded objects upon said reuse (page 1, section titled ACTIVE CACHING, 2nd para.) , by: specifying a new network address uniquely identifying said one or more embedded objects (page 53, section titled pruneURLQUERY 2nd para.) ; and specifying cacheability information for said one or more embedded objects (page 61-63); and modifying said document by replacing said preexisting address for said one or more embedded objects with said new network address (page 53, section titled pruneURLQUERY 2nd para.).

As to claims 2,19 and 23, CacheFlow taught occurring automatically in response to said user request for said document (page 1, section titled Akamai Freeflow Network Support).

As to claims 3, 20, and 24, CacheFlow taught proxy is implemented as an intermediary server located between a computer of said user and a server of said document (page 3, section titled CACHING).

As to claim 4, 21 and 25, CacheFlow taught said new network address has at least a portion in common with

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said preexisting network address (page 53, section titled pruneURLQUERY 2nd para.).

As to claim 5, CacheFlow taught said cacheability information includes a long expiry date (page 61, section titled cacheEDuration (see Example:cacheDuration= Infinite.)

As to claim 6, CacheFlow taught said cacheability information includes a long maxage parameter .

As to claim 7, CacheFlow taught said cacheability information includes a relatively recent last modified date (page 61, section titled generateCacheMissWith, see Valid Values:...LastModifiedTime...) .

As to claim 8, CacheFlow taught said cacheability information includes how long said object can be cached without revalidation (page 61, section titled cacheEDuration).

As to claim 12, CacheFlow taught comprising storing said one or more embedded objects at said proxy for later use (page 47, section titled Akamaization).

As to claim 13, CacheFlow taught validating said one or more embedded objects that are stored against a server thereof (page 55-56, section titled checkModifiedTimeInterval).

Cacheflow did not expressly modifying the cacheability information, Malcom et al. taught the updating of the cacheability information (col. 7, lines 20-67). It would have been obvious to one of ordinary skill in the art to modify Cacheflow with that of Malcolm et al. as suggested by Malcolm et al. (col. 1, lines 43 – col. 2, line 56).

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claim 14 is rejected under 35 U.S.C. 103(a) as being unpatentable over CacheOS Server Edition 1.0 Management and Configuration Guide, (CacheFlow) in view of Malcolm et al. (6,128,701).as applied to claims 1,12, and 13 above, and further in view of Microsoft Press Computer Dictionary .

CacheFlow did not expressly teach the use of condensation techniques. It would have been obvious to one of ordinary skill in the art to use condensation techniques as it would improve the efficiency of the data transmissions.

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8. Claims 9, 28,29, 32-33,35-36, 38-39 and 43-44 are rejected under 35 U.S.C. 103(a) as being unpatentable over CacheOS Server Edition 1.0 Management and Configuration Guide, (CacheFlow) in view of Malcolm et al. (6,128,701)as applied to claims 1-8, 12-13, 18-21, and 22-25 above, and further in view of Fast Internet Content Delivery with FreeFlow (Akamai).

The reference taught method for operating a proxy disposed between a user and a document accessible to said user over a computer network, in order to facilitate re-use of objects within said document from a cache instead of necessarily requiring downloading said objects upon each use CacheFlow, page 1, section titled ACTIVE CACHING, 2nd para., ; page 47, section titled Akamaization)), comprising: obtaining an electronic document; identifiable by a network address of said document; (Akamai, page 3, figure 1) including one or more references to one or more embedded objects (Akamai ,page 5-6, section 3); each said one or more embedded objects being identifiable by a network address therefore (Akamai , page 5-6 , section 3); for at least one of said one or more embedded objects, facilitating storage and re-use thereof from a cache accessible to said user, without requesting said one or more embedded objects upon said use revalidation (Cache flow , page 61, section titled cacheEDuration) , by specifying cacheability information (CacheFlow, page 61-63) for said one or more embedded objects that: permits caching thereof (CacheFlow, page 38); including an entity tag uniquely identifying said one or more embedded objects (Akamai, page 5-6, section 3); and specifies a required validation of said one or more embedded objects (Cache flow , page 61, section titled cacheEDuration).

9. It would have been obvious to combine these two references as it is expressly taught in the CacheFlow reference.

10. As to claim 9, Akamai taught proxy is co-located (page 4, section 2).

11. As to claim 28, Akamai taught transmitting a version to the User (page 5-6 section dealing with Object data).

12. As to claim 32-33,35-36, 38-39 and 43-44, Akamai taught transmitting the modified object to the user and receiving a user request for at least one of said embedded objects (page 3, fig. 1).

13. As to claim 40, Akamai taught resources for transmitting said cacheability information to said requesting user (Akamai, Figure 1, page 3, page 5-6, section 3, see ARL and data object).

14. Claims 10-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over CacheFlow, Malcom et al., Akamai as applied to claims 1 and 9 above, and further in view of Danneels (6,038,598).

The previously cited reference do not expressly teach the document is dynamically generated at said server and said dynamic generation includes executing a programmatic description of said document in conjunction with data for at least one variable in said programmatic description (col. 1, lines 33-47). It would have been obvious to one

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of ordinary skill in the Art to modify CacheFlow and Akamai with the teachings, of Danneels to allow for customized presentation of the web document.

15. Applicant's arguments with respect to claims 1-48 have been considered but are moot in view of the new ground(s) of rejection.

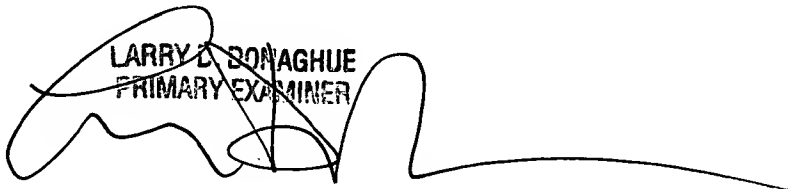
16. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Larry D. Donaghue whose telephone number is 571-272-3962. The examiner can normally be reached on M-F 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee can be reached on 571-272-3964. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


LARRY D. DONAGHUE
PRIMARY EXAMINER